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| FORM PTO-1390<br>(REV. 07-2005)  |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE |  | EXPRESS MAIL NUMBER<br><b>EV 416 731 454 US</b>                     | ATTORNEY'S DOCKET NUMBER<br>036217/US/2 - 475387-00191 |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES</b><br><b>DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A</b><br><b>SUBMISSION UNDER 35 U.S.C. 371</b>  |  |   |  | U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><b>10/551735</b> |  |
| INTERNATIONAL APPLICATION NO.<br>PCT/US2004/010152   |  | INTERNATIONAL FILING DATE<br>March 31, 2004             |  | PRIORITY DATE CLAIMED<br>March 31, 2003                             |  |
| TITLE OF INVENTION<br><b>SPECKLE REDUCTION IN OPTICAL COHERENCE TOMOGRAPHY BY PATH LENGTH ENCODED ANGULAR COMPOUNDING</b>  |  |   |  |   |  |
| APPLICANT(S) FOR DO/EO/US<br><b>GUILLERMO J. TEARNEY, NICUSOR IFTIMIA AND BRETT EUGENE BOUMA</b>   |  |   |  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other   |  |   |  |   |  |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.<br>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.<br>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f). The submission must include items (5), (6), (9) and (21) indicated below.<br>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).<br>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> has been transmitted by the International Bureau.<br>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).<br>6. <input type="checkbox"/> An English translation of the International Application as filed (35 U.S.C. 371(c)(2)).<br>a. <input type="checkbox"/> is attached hereto.<br>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).<br>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<br>a. <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau).<br>b. <input type="checkbox"/> had been communicated by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.<br>d. <input checked="" type="checkbox"/> have not been made and will not be made.<br>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).<br>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).<br>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 |  |   |  |   |  |
| <b>Items 11 to 20. below concern document(s) or information included:</b>  |  |   |  |   |  |
| 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.<br>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included<br>13. <input type="checkbox"/> A preliminary amendment.<br>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.<br>15. <input type="checkbox"/> A substitute specification.<br>16. <input type="checkbox"/> A power of attorney and/or change of address letter.<br>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825<br>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4)<br>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).<br>20. <input checked="" type="checkbox"/> Other items or information:<br>PTO-1449 form, International Search Report, International Written Opinion and Return Receipt Postcard   |  |   |  |   |  |

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| U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5)<br><b>10/551735</b><br>To be assigned  |              | INTERNATIONAL APPLICATION NO.<br>PCT/US2004/010152                            |            | ATTORNEY'S DOCKET NUMBER<br>036217/US/2-475387-00191 |              |
| 21. The following fees have been submitted:  |              |   |            | CALCULATIONS   | PTO USE ONLY |
| <input checked="" type="checkbox"/> a) Basic national fee (37 CFR 1.492(a)).....   |              |   |            | \$300.00   | \$ 300       |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 492(c))  |              |   |            |  |              |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)--4).....  |              |   |            | \$0.00   |              |
| All other situations.....  |              |   |            | \$200.00   | \$ 200       |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))   |              |   |            |  |              |
| If the written opinion of the ISA/US or US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)--4)  |              |   |            | \$0.00   |              |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....   |              |   |            | \$100.00   |              |
| International Search Report prepared and provided to the Office .....  |              |   |            | \$400.00   |              |
| All other situations .....   |              |   |            | \$500.00   | \$ 100       |
| <b>TOTAL OF 21, 22 and 23 =</b>  |              |   |            |  | \$ 600       |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |              |   |            |  |              |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE       |  |              |
| - 100  | /50 =        |   | x \$250.00 |  |              |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |              |   |            | \$   |              |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA  | RATE       |  |              |
| Total claims   | 26 -20 =     | 6   | x \$50.00  | \$300  |              |
| Independent claims   | 7 -3 =       | 4   | x \$200.00 | \$800  |              |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |   | + \$360.00 | \$   |              |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |            | \$1,700  |              |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |   |            | \$   |              |
| <b>SUBTOTAL =</b>  |              |   |            | \$   |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |              |   |            | \$   |              |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |            | \$1,700  |              |
| Fee for recording the enclose assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |   |            | \$40   |              |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |            | \$1,740  |              |
|  |              |   |            | Amount to be refunded:                               | \$           |
|  |              |   |            | charged:   | \$           |

JOCE RECEIVED PCT/PTO 29 SEP 2005


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| U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5)<br><div style="font-size: 1.5em; font-weight: bold; margin-top: 5px;">20/551735</div> <div style="font-size: 0.8em; margin-top: 2px;">Date assigned</div> | INTERNATIONAL APPLICATION NO.<br>PCT/US2004/010152 | ATTORNEY'S DOCKET NUMBER<br>036217/US/2-475387-00191 |
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a. ☒ A check in the amount \$1,740 to cover the above fees is enclosed.  
 of \_\_\_\_\_  
 b. ☐ Please charge my Deposit Account No. 50-2054 in the amount of \$ \_\_\_\_\_ to cover the above fees.  
 A duplicate copy of this sheet is enclosed.  
 c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to  
 Deposit Account No. 50-2054 A duplicate copy of this sheet is enclosed.  
 d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

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SEND ALL CORRESPONDENCE TO: **CUSTOMER NUMBER 30873**

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| Dorsey & Whitney LLP<br>Intellectual Property Department<br>250 Park Avenue<br>New York, New York 10177 | <div style="text-align: center;"> <br/> <hr/>           Signature<br/> <b>Gary Abelev, Esq.</b> </div> <div style="margin-top: 10px;"> <hr/>           Name<br/> <b>40,479</b> </div> <div style="margin-top: 10px;"> <hr/>           Registration Number         </div> | <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; padding: 2px;">           Date September 29, 2005         </div> |
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